

What Is Claimed Is:

1. A method for operating an internal combustion engine, in which fuel is injected by an injector into a combustion chamber, the injector having an activatable piezoactuator, the method comprising:

generating a precontrol setpoint for activating the piezoactuator; and

combining the precontrol setpoint with a charge regulation of a charge quantity conveyed to the piezoactuator.

2. The method as recited in claim 1, wherein an output signal of the charge regulation is combined additively with the precontrol setpoint.

3. The method as recited in claim 1, wherein activation of the piezoactuator results in a motion of a valve needle, and wherein the method further comprises:

combining the charge regulation, a reference stroke and an actual stroke of the valve needle of the injector with one another.

4. The method as recited in claim 3, wherein the charge regulating the reference stroke and the actual stroke are combined by differentiation.

5. The method as recited in claim 3, further comprising: ascertaining the actual stroke as a function of the charge quantity conveyed to the piezoactuator.

6. The method as recited in claim 5, further comprising: ascertaining the charge quantity conveyed to the

piezoactuator as a function of a voltage at a capacitor that is impinged upon by a portion of current conveyed to the piezoactuator.

7. The method as recited in claim 3, further comprising:  
ascertaining the reference stroke from a flow setpoint which represents mass or quantity of fuel that is to be injected per unit time.

8. The method as recited in claim 3, further comprising:  
ascertaining the precontrol setpoint as a function of the reference stroke.

9. The method as recited in claim 1, wherein the charge regulation is controlled by a PI controller.

10. The method as recited in claim 1, wherein the charge regulation is combined with a voltage regulation.

11. The method as recited in claim 10, wherein the voltage regulation is subordinate to the charge regulation.

12. The method as recited in claim 10, wherein a voltage generated by the charge regulation is combined with an actual value of a voltage present at the piezoactuator.

13. The method as recited in claim 12, wherein the voltage regulation is controlled by a PI controller.

14. A computer program having a plurality of program instructions which are programmed in such a way that when they are carried out, a method is executed, the method comprising:

generating a precontrol setpoint for activating the piezoactuator; and

combining the precontrol setpoint with a charge regulation of a charge quantity conveyed to the piezoactuator.

15. A memory medium on which is stored a computer program which is programmed in such a way that when it is executed, a method is executed, the method comprising:

generating a precontrol setpoint for activating the piezoactuator; and

combining the precontrol setpoint with a charge regulation of a charge quantity conveyed to the piezoactuator.

16. A control and/or regulating device comprising:

an arrangement configured to generate a precontrol setpoint for activating a piezoactuator of a fuel injector; and

an arrangement configured to combine the precontrol setpoint with a charge regulation of a charge quantity conveyed to the piezoactuator.

17. An internal combustion engine for a motor vehicle, comprising:

a control device configured to generate a precontrol set point for activating a piezoactuator of a fuel injector, and configured to combine the precontrol setpoint with a charge regulation of a change quantity conveyed to the piezoactuator.